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7590 01/13/2005

Bryan Cave LLP
1290 Avenue Of The Americas
33rd Floor
New Yrk, NY 10104

04/05/2005 HVUONG2 00000024 10053192

01 FC:1504 300.00 OP
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Charles Avigliano	(Depositor's name)
<i>Charles Avigliano</i>	(Signature)
3/30/05	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/053,192 01/15/2002 Heinrich Bachmann 20347 US1 4078

TITLE OF INVENTION: BETA, BETA-CAROTENE 15, 15'-MONOOXYGENASES, NUCLEIC ACID SEQUENCES CODING THEREFOR AND THEIR USE (C38435/128985)

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	04/13/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
PAK, YONG D	1652	435-190000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

DSM IP ASSETS B.V.

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Heerlen, The Netherlands

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
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5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature Charles Avigliano

Date 3/30/05

Typed or printed name Charles Avigliano

Registration No. 52,578

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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March 30, 2005

Mail Stop Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: U.S. Patent Application Serial No. 10/053,192
Filed: January 15, 2002
For: **BETA, BETA-CAROTENE 15, 15'-MONOOXYGENASES,
NUCLEIC ACID SEQUENCES CODING THEREFOR AND
THEIR USE**
Attorney Docket No.: 20347 US1 C038435/0128985

Sir:

Enclosed are a completed Issue Fee Transmittal Form PTOL-85B (in duplicate), a \$1400.00 check covering the issue fee, a \$300.00 check covering the publication fee and a \$9.00 check for three soft copies of the patent.

If any of the checks are missing or otherwise insufficient, or if any additional fees are required, please charge the fee (or credit any overpayment) to Deposit Account No. 02-4467. A duplicate copy of this letter is enclosed.

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Charles M. Avigliano

Charles M. Avigliano, Reg. No. 52,578

Respectfully submitted,

By: *Charles M. Avigliano*
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Enclosures